

Please replace the paragraph bridging pages 13 and 14 with the following:

In the embodiment of Figure 1, the inner cylinder 2 has a window or windows by which electrons are admitted to the electrostatic focusing field. The window or each window is so dimensioned and shaped as to define a beam having required angular range in azimuth, and is covered by a fine mesh or grid to help eliminate edge effects. The mesh could, for example, consist of a square array of holes or could be made from parallel wires extending in the longitudinal z direction that are stretched across the window. The shielding properties of both these types of mesh are known, as are the defocusing effects that the meshes produce. The defocusing is effectively equivalent to increasing the size of the source.